

# NEBRASKA WEATHER & CROPS

NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

For Week Ending April 7, 1991

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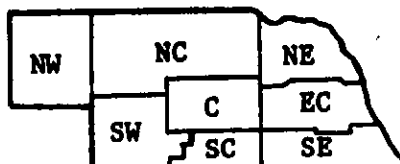
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## WEATHER

The week was warm with temperatures averaging from twelve degrees above normal in the northwest up to twenty degrees above normal in the northeast. Only light amounts of precipitation occurred the first half of the week with amounts varying from traces up to .12 inch.

## GENERAL

The main activities of Nebraska farmers and ranchers this past week included calving activities and spring field work. Field work consisted mainly of discing, fertilizer applications to pastures and cropland, and drilling of oats and alfalfa.

## CROPS

Winter wheat condition was rated at 2% very poor, 14% poor, 51% fair, 31% good, and 2% excellent. Many counties continue to indicate problems with winter kill, lack of moisture, and wind erosion on their wheat fields. Also, army cutworms and crown rot continue to affect some fields.

## CROPS (Cont.)

Oat seeding progressed to 46% complete with good progress in all areas. Seedbed preparation and seeding activities continue where local field conditions permit.

Sugar beet planting activity progressed well this past week in western fields.

Soil moisture supplies were nearly unchanged from a week ago. Concerns persist over short subsoil moisture supplies and possible affects on this year's pastures and crops.

## LIVESTOCK

Pasture and range condition was reported as 72% of normal, in the poor to fair category. Producers, in most cases, are waiting for pastures to green up before moving cattle onto them. The lack of moisture in many areas has delayed spring grass growth. Supplemental feeding continues. Spring calving is reportedly going well due to favorable calving weather.

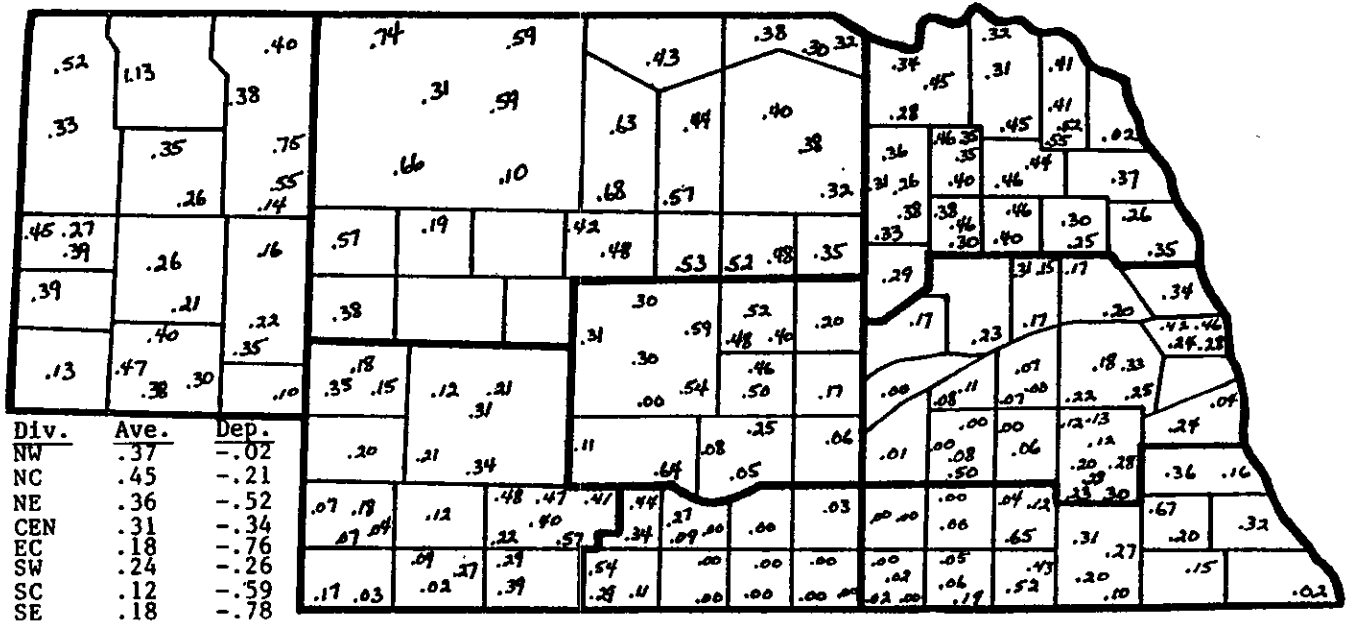
FIELD WORK PROGRESS AS OF APRIL 7, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% oat acreage planted	34	45	38	33	48	31	74	92	46	15	60	43
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF APRIL 5, 1991												
Days suitable	6.4	6.6	5.0	4.8	4.6	4.1	3.7	6.5	5.4	3.6	NA	
Topsoil moisture - Short	90	56	24	15	16	15	62	6	36	28	19	
(Percent) - Adequate	10	44	58	85	79	85	38	94	61	63	79	
- Surplus	0	0	18	0	5	0	0	0	3	9	2	
Subsoil moisture - Short	65	75	53	61	63	85	100	75	70	70	94	
(Percent) - Adequate	35	25	47	39	37	15	0	25	30	29	6	
- Surplus	0	0	0	0	0	0	0	0	0	1	0	

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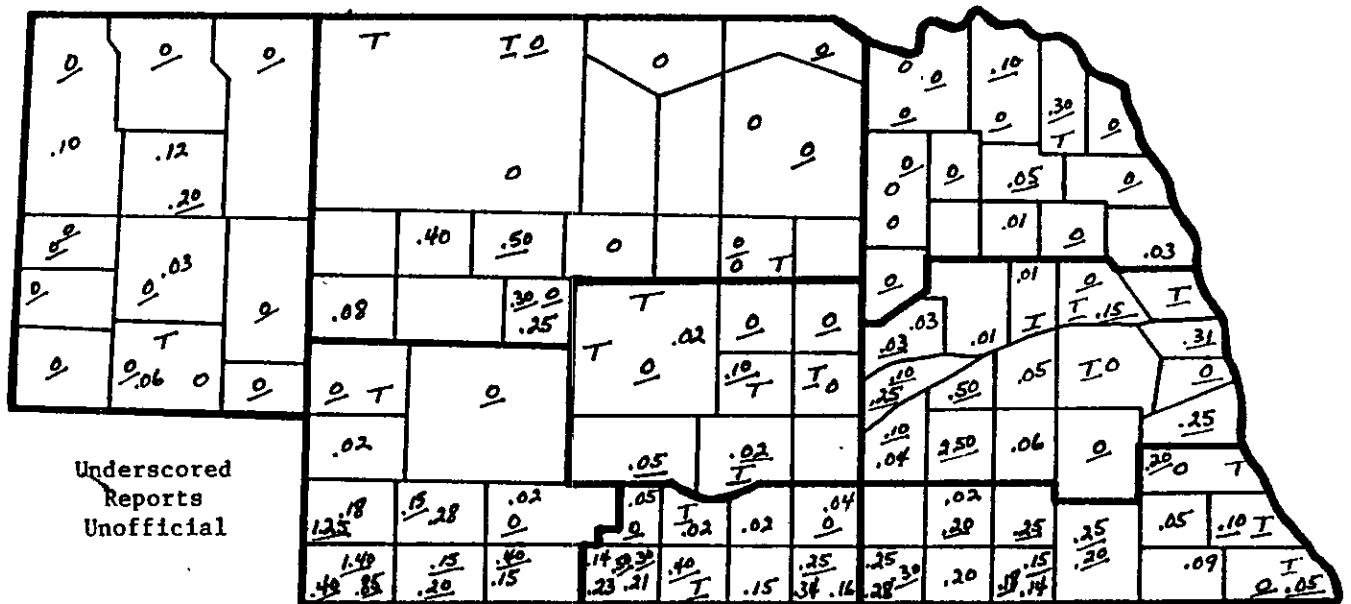
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# PRECIPITATION MAP FOR MONTH OF FEBRUARY 1/



1/ Courtesy of the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.

## PRECIPITATION MAP FOR WEEK ENDING FRIDAY, APRIL 5, 1991



	Precipitation, April 1 - April 5, 1991							
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week .....	.00	.01	.01	.01	.03	.04	.14	.11
Total since April 1 .....	.00	.01	.01	.01	.03	.04	.14	.11
Normal since April 1 .....	.25	.35	.40	.39	.45	.27	.35	.45

## TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, APRIL 7, 1991

Station		Temperature				Precipitation	Growing Degree Data		
		Extremes		Mean	Departure	Total Inches 1/	Week End 3/31	Since April 1	Normal Since 4/1
		Max	Min						
NW	Chadron	84	27	54	---	.00	---	---	---
	Scottsbluff	86	25	54	+12	.12	8	84	17
	Sidney	84	29	54	---	.00	10	69	20
NC	Valentine	89	31	58	+18	.02	9	95	9
NE	Norfolk	91	30	63	+20	T	---	---	---
	Sioux City	91	31	63	+19	T	---	---	---
	Concord	---	---	---	---	---	10	98	19
CEN	Elgin	---	---	---	---	---	11	91	17
	West Point*	---	---	---	---	---	11	104	21
	Grand Island	90	33	62	+17	.06	10	97	19
EC	Ord	90	30	59	---	.00	13	89	24
	Lincoln	87	31	64	+18	.03	9	105	23
	Omaha	87	39	64	+19	.00	8	100	15
SW	Columbus	---	---	---	---	---	9	99	19
	York	---	---	---	---	---	9	92	23
	Imperial	86	28	56	---	.09	---	---	---
SC	North Platte	89	30	58	+15	T	**12	**82	**25
	Holdrege	---	---	---	---	---	13	84	29
SE	Beatrice	---	---	---	---	---	14	105	33
	Clay Center	---	---	---	---	---	13	98	28

\* Automated weather station. \*\* North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 1.